

oligomerization, or ter-oligomerization include but are not limited to: ethane, propene, butane, pentene, hexane, heptane, octane, nonene, decene, undecene, dodecene, tridecene, tetradecene, pentadecene, and any and all straight-chain (n-) and branched-chain (iso-) isomers and isomeric mixtures thereof.

In the Claims:

Please amend the claims as follows.

1. Cancel.
2. (Amended) A process in accordance with claim + 18 wherein said group VIII metal component is platinum.
3. (Amended) A process in accordance with claim + 18 wherein said ZSM-5 is in the hydrogen form.
4. (Amended) A process in accordance with claim + 18 wherein said composition further comprises a porous carrier material.
6. (Amended) A process in accordance with claim + 18 wherein said oligomerization product comprises oligomeric olefins.
7. (Amended) A process in accordance with claim + 18 wherein said oligomerization product comprises a co-oligomer of a first olefin and a second olefin, said first olefin and said second olefin each having 15 or less carbon atoms per molecule.

9. (Amended) A process in accordance with claim + 18 wherein said oligomerization product comprises a ter-oligomer of a first olefin, a second olefin, and a third olefin, said first olefin, said second olefin, and said third olefin each having 15 or less carbon atoms per molecule.

10. (Amended) A process in accordance with claim + 18 wherein said conversion conditions include the presence of hydrogen, a temperature in the range of from about 180°C to about 400°C, and a pressure in the range of from about 0 psig to about 2000 psig.

11. (Amended) A process in accordance with claim + 18 wherein said conversion conditions include the presence of hydrogen, a temperature in the range of from about 190°C to about 350°C, and a pressure in the range of from about 50 psig to about 1500 psig.

12. (Amended) A process in accordance with claim + 18 wherein said conversion conditions include the presence of hydrogen, a temperature in the range of from 200°C to 300°C, and a pressure in the range of from 150 psig to 1000 psig.

13. (Amended) A process in accordance with claim + 18 wherein said composition catalyst system contains in the range of from about 0.1 to about 2.0 wt.% platinum.

14. (Amended) A process in accordance with claim + 18 wherein said composition catalyst system contains in the range of from about 0.2 to about 1.0 wt.% platinum.

15. (Amended) A process in accordance with claim + 18 wherein said composition catalyst system contains in the range of from about 50 to about 99 wt.% ZSM-5 zeolite.

16. (Amended) A process in accordance with claim + 18 wherein said ~~composition catalyst system~~ contains in the range of from about 70 to about 90 wt.% ZSM-5 zeolite.

17. (Amended) A process in accordance with claim + 18 wherein said upgraded oligomerization product exhibits a lower pour point than said oligomerization product as determined using test method ASTM D97.

18. (Rewritten) A process ~~in accordance with claim +~~ for upgrading an oligomerization product comprising contacting said oligomerization product, under conversion conditions, with a catalyst system comprising a group VIII metal component and a ZSM-5 zeolite, thereby forming an upgraded oligomerization product, wherein said upgraded oligomerization product exhibits a greater viscosity index than said oligomerization product as determined using test method ASTM D567.

19. (Amended) A process as recited in claim + 18 wherein said upgraded oligomerization product exhibits a pour point that is less than about -20°C as determined using test method ASTM D97.

20. (Amended) A process as recited in claim + 18 wherein said upgraded oligomerization product exhibits a pour point that is less than about -40°C as determined using test method ASTM D97.

21. (Amended) A process as recited in claim + 18 wherein said upgraded oligomerization product exhibits a viscosity index that is greater than about 100 as determined using test method ASTM D567.